GMV is a global leader in the design and implementation of Intelligent Transportation Systems, with more than 400 customers in 35 countries. In GMV, we provide specific ad hoc solutions for the diverse modes of transport: road passenger transport, rail, maritime, special fleets and automation & mobility. Since the 90s, we have been at the forefront of the application of modern technologies to the transport sector: GIS/GPS platforms, mobile communications, contactless cards and our own software and hardware developments. Our extensive experience enables us to offer to our customers turnkey solutions in a modular and scalable manner. We commit ourselves to each phase of the project, from the requirement analysis and system design to the commissioning and training.
### ROAD TRANSPORTATION
- Service planning and scheduling
- Fleet Management (SAE®)
- Passenger Information (PIS) and infotainment
- Video surveillance CCTV
- On Board Passenger Announcement (PA)
- Emergency intercomunication
- Ticketing and fare collection
- Ticket Vending Machines (TVMs) on-board and at stations
- Citizen card
- Clearing House
- Statistical Analysis
- Transport on demand

### RAILWAY
- Service planning and scheduling
- Fleet Management (SAE®)
- Passenger Information (PIS) and infotainment
- Video surveillance CCTV
- On Board Passenger Announcement (PA)
- Emergency intercomunication
- Ticketing and fare collection
- Ticket Vending Machines (TVMs) on-board and at stations
- Human Machine Interfaces (HMI)
- Cabin alert response to output signals
- Cabin alert response to speeding

### MARITIME
- Buoy and beacon control
- AIS Control
- AIS statistics
- AtoN Control
- Buoy remote monitoring
- Spill detection
- Radar beacon control
- Management of the motorways of the sea
- Maritime security - EMSA
- Fisheries Inspection
- Meteo Buoys for leisure

### SPECIAL FLEETS
- **hegeo®** Police
- **hegeo®** Ambulances
- **hegeo®** Towing vehicles
- **hegeo®** Waste management
- **hegeo®** Technical assistance
- **hegeo®** Car renting
- **MOVILLOC®** Cargo
- **MOVILLOC®** Hazardous cargo
- **MOVILLOC®** Private fleets
- **MOVILLOC®** Concrete
- **MOVILLOC®** Snowplug

### AUTOMOTION AND MOBILITY
- Car sharing
- Car pooling
- Shadow tolling
- Highway Traffic Management HTMS
- Traffic audits
- GNSS based electronic tolling
- Mobile app based electronic tolling
- High Occupancy Vehicle (HOV) lane management
- Accident aid and assistance - eCall
- OEM & Aftermarket solutions
- OEM SW development as per SPICE standard
TAILORED TECHNOLOGY SYSTEMS
Due to our extensive experience, in GMV we understand the needs of our diverse transport customers from the public transport authority of a small town to big regional transport consortia. Therefore, we offer modular and scalable solutions which allow us to dynamically install the system which matches the needs of each of our customers in each mode of transport.

A SOLUTION FOR EACH NEED
For the road public transport operator, we have our Advanced Fleet Management System (SAE), which includes a range of modules for the typology and requirements of each operator: real time regulation and control, passenger information and infotainment, video surveillance, etc. Moreover, we have developed our specific on demand solution for operators in rural areas with low population density.

In the railway sector, we offer our ad hoc geolocation and communications management solutions, as well as a wide range of on board systems: all of them are based on our long term collaboration with operators like RENFE or manufacturers like Talgo, CAF signaling or Alstom.

Our multimodal, multioperator ticketing and fare collection system allows transport authorities to integrate their public transport including bus, BRT, tram, etc. Furthermore, we have developed the citizen card, which may be used by the citizens for other municipal services, such as bike rental, libraries, municipal tax and fee payment and so on.

For special fleets with particular needs, we have developed hegeo®. This is a single platform municipal resource management system for police, ambulance, waste management and other service vehicles. In a similar manner, our system MOVILOC® enables the location and tracking of fleets in service mode with minimal infrastructure requirements.

In the maritime sector, we have ample experience in the development and integration of maritime traffic monitoring systems (AIS, radar and others) and we are at the forefront in developing coastal surveillance and maritime security, where we collaborate with the European Maritime Safety Agency (EMSA) and the European Fisheries Control Agency (EFCA).

In the mobility field, we are continuously developing innovative traffic management systems, shadow tolling and tolling based on GNSS or mobile apps. We also help to improve traffic through initiatives like carsharing, carpooling and High Occupancy Vehicle (HOV) lane management.

In the automation sector, we work with vehicle manufacturers as an OEM of on board GPS devices and we develop custom software based on the demanding SPICE standard.

In GMV we believe that behind every challenge lies an opportunity to innovate. We apply our knowledge and experience to each problem in order to generate unique solutions which add value to our customers and partners.